

FORM PTO-1390
REV. 2/01T

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

**TRANSMITTAL LETTER TO THE UNITED STATES
DESIGNATED/ELECTED OFFICE (DO/EO/US)
CONCERNING A FILING UNDER 35 U.S.C. 371**

CUSTOMER NO. 22,852
ATTORNEY'S DOCKET NUMBER

08940.0019

U.S. APPLICATION NO.
(If known, see 37CFR1.5)

10/516605

INTERNATIONAL APPLICATION NO.	INTERNATIONAL FILING DATE	PRIORITY DATE CLAIMED
PCT/US2003/034811	October 31, 2003	November 1, 2002

TITLE OF INVENTION: STEM CELL LIBRARIES**APPLICANT(S) FOR DO/EO/US:****Hongbing ZHANG, Lewis T. WILLIAMS, Ketting CHU, and Fred COHEN**

Applicant(s) herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. This is a **FIRST** submission of items concerning a filing under 35 U.S.C 371.
2. This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3. This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.
4. The US has been elected by the expiration of 19 months from the priority date (Article 31).
5. A copy of the International Application as filed (35 U.S.C. 371 (c)(2)).
 - a. is attached hereto (required only if not communicated by the International Bureau).
 - b. has been communicated by the International Bureau.
 - c. is not required, as the application was filed with the United States Receiving Office (RO/US).
6. An English language translation of the International Application as filed (35 U.S.C. 371 (c)(2)).
 - a. is attached hereto.
 - b. has been previously submitted under 35 U.S.C. 154 (d)(4).
7. Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3)).
 - a. are attached hereto (required only if not communicated by the International Bureau).
 - b. have been communicated by the International Bureau.
 - c. have not been made; however, the time limit for making such amendments has NOT expired.
 - d. have not been made and will not be made.
8. An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371 (c)(3)).
9. An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).
10. An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).

Items 11 to 20 below concern document(s) or information included:

11. Information Disclosure Statement under 37 CFR 1.97 and 1.98
12. An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13. A **FIRST** preliminary amendment.
14. A **SECOND** or **SUBSEQUENT** preliminary amendment.
15. A Substitute specification.
16. A change of power of attorney and/or address letter.
17. A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821-1.825.
18. A second copy of the published international application under 35 U.S.C. 154 (d)(4).
19. A second copy of the English language translation of the international application 35 U.S.C. 154 (d)(4).
20. Other items or information:
 - a. Copy of cover page of International Publication No. WO 2004/042023 A3
 - b. Copy of Notification of Missing Requirements.

U.S. APPLICATION NO. (If known, see 37CFR 1.5)	INTERNATIONAL APPLICATION NO. PCT/US2003/034811			ATTORNEY'S DOCKET NUMBER 08940.0019															
21. <input checked="" type="checkbox"/> The following fees are submitted: BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):				CALCULATIONS PTO USE ONLY															
<p>Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO</p> <p>International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO</p> <p>International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search fee (37 CFR 1.445(a)(2)) paid to USPTO</p> <p>International preliminary examination fee (37 CFR 1.482) paid to USPTO but all claims did not satisfy provisions of PCT Article 33(1)-(4)</p> <p>International preliminary examination fee (37 CFR 1.482) paid to USPTO and all claims satisfied provisions of PCT Article 33 (1)-(4)</p>				\$1110.00 \$950.00 \$790.00 \$750.00 \$100.00															
ENTER APPROPRIATE BASIC FEE AMOUNT =				\$															
<p>Surcharge of \$130.00 for furnishing the oath or declaration later than months from the earliest claimed priority date (37 CFR 1.492 (e)).</p>				<input type="checkbox"/> 20 <input type="checkbox"/> 30 \$															
CLAIMS	NUMBER AFTER AMENDMENT	NUMBER EXTRA	RATE																
Total Claims	101	- 20 =	81	x \$18.00 \$1458.00															
Independent Claims	16	-3 =	13	x \$88.00 \$1144.00															
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+\$300.00	\$300.00															
TOTAL OF THE ABOVE CALCULATIONS =				\$2902.00															
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by ½.				\$															
SUBTOTAL =				\$2902.00															
<p>Processing fee of \$130.00 for furnishing the English translation later than months from the earliest priority date (37 CFR 1.492(f)).</p>				<input type="checkbox"/> 20 <input type="checkbox"/> 30 \$															
TOTAL NATIONAL FEE =				\$2902.00															
<p>Fee for recording the enclosed assignment (37 CFR 1.21 (h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property.</p>				\$															
12/15/2004 SNAJARRO 00000027 060916 10516605 TOTAL FEES ENCLOSED =				\$2902.00															
<table border="1"> <tr> <td>01 FC:1615</td> <td>1458.00 DA</td> <td>12/15/2004 SNAJARRO 00000027 060916 G/FREY1</td> <td>Amount to be refunded:</td> <td>\$</td> </tr> <tr> <td>02 FC:1614</td> <td>1144.00 DA</td> <td>01 FC:1615 1458.00 CR</td> <td></td> <td></td> </tr> <tr> <td>03 FC:1616</td> <td>300.00 DA</td> <td>02 FC:1614 1144.00 CR</td> <td>charged:</td> <td>\$</td> </tr> </table>				01 FC:1615	1458.00 DA	12/15/2004 SNAJARRO 00000027 060916 G/FREY1	Amount to be refunded:	\$	02 FC:1614	1144.00 DA	01 FC:1615 1458.00 CR			03 FC:1616	300.00 DA	02 FC:1614 1144.00 CR	charged:	\$	
01 FC:1615	1458.00 DA	12/15/2004 SNAJARRO 00000027 060916 G/FREY1	Amount to be refunded:	\$															
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03 FC:1616	300.00 DA	02 FC:1614 1144.00 CR	charged:	\$															
a. <input type="checkbox"/>	A check in the amount of \$ _____ to cover the above fees is enclosed.																		
b. <input checked="" type="checkbox"/>	Please charge my Deposit Account No. <u>06-0916</u> in the amount of \$ <u>2902.00</u> to cover the above fees. A duplicate copy of this sheet is enclosed.																		
c. <input checked="" type="checkbox"/>	The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>06-0916</u> . A duplicate copy of this sheet is enclosed.																		
d. <input type="checkbox"/>	Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.																		
<p>NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137 (a) or (b)) must be filed and granted to restore the application to pending status?/2005 G/FREY1 00000001 060916 10516605</p>																			
SEND ALL CORRESPONDENCE TO: Finnegan, Henderson, Farabow, Garrett & Dunner, L.L.P. 1300 I Street, N.W. Washington, D.C. 20005-3315 EFC/FPD/sci DATED: December 6, 2004		01 FC:1614 10516605 DA 02 FC:1615 1144.00 CR  SIGNATURE Ernest F. Chapman/Reg. No. 25,961 NAME/REGISTRATION NO.																	